

Please add the following new claims 22-42:

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22. A method for providing resistance to infection by a geminivirus plant virus in a plant or plant tissue, said method comprising transforming said plant or plant tissue with a polynucleotide that comprises a nucleotide sequence that encodes a non-mutated Rep protein of a tomato mottle geminivirus, wherein said polynucleotide is expressed in said transformed plant or plant tissue.

23. The method according to claim 22, wherein said geminivirus plant virus is a tomato mottle geminivirus.

24. The method according to claim 22, wherein said plant or plant tissue is tomato or tobacco.

25. The method according to claim 22, wherein said plant or plant tissue is transformed with said polynucleotide by agroinfection or biolistic targeting.

26. The method according to claim 22, wherein said polynucleotide comprises the nucleotide sequence shown in SEQ ID NO. 1.

27. The method according to claim 22, wherein said non-mutated Rep protein has the amino acid sequence shown in SEQ ID NO. 2.

28. The method according to claim 22, wherein said polynucleotide comprises a promoter operatively linked to said nucleotide sequence.

29. The method according to claim 28, wherein said promoter is a 35S promoter of a cauliflower mosaic virus.

30. A transgenic plant or plant tissue having increased resistance to infection by a geminivirus plant virus, wherein said plant or plant tissue comprises a polynucleotide that comprises a nucleotide sequence that encodes a non-mutated Rep protein of a tomato mottle geminivirus.

31. The transgenic plant or plant tissue according to claim 30, wherein said plant or plant tissue is tomato or tobacco.

32. The transgenic plant or plant tissue according to claim 30, wherein said geminivirus plant virus is a tomato mottle geminivirus.

33. The transgenic plant or plant tissue according to claim 30, wherein said plant tissue is a plant seed.

34. The transgenic plant or plant tissue according to claim 30, wherein said transgenic plant or plant tissue is a hybrid made by crossing a transgenic plant comprising a polynucleotide that encodes a non-mutated Rep protein of a tomato mottle geminivirus with a plant that does not comprise a polynucleotide that encodes a non-mutated Rep protein of a tomato mottle geminivirus.

35. The transgenic plant or plant tissue according to claim 30, wherein said transgenic plant or plant tissue is a hybrid made by crossing a first transgenic plant comprising a polynucleotide that comprises a nucleotide sequence that encodes a non-mutated geminivirus Rep protein of a tomato mottle geminivirus with a second transgenic plant comprising a polynucleotide that comprises a nucleotide sequence that encodes a non-mutated geminivirus Rep protein of a tomato mottle geminivirus.

36. The transgenic plant or plant tissue according to claim 35, wherein said second transgenic plant is derived from a transformation event distinct from the transformation event from which said first transgenic plant is derived.

37. The transgenic plant or plant tissue according to claim 30, wherein said polynucleotide comprises the sequence shown in SEQ ID NO. 1.

38. The transgenic plant or plant tissue according to claim 30, wherein said non-mutated Rep protein has the amino acid sequence shown in SEQ ID NO. 2.

39. A cell, or progeny thereof, transformed with a polynucleotide that comprises a nucleotide sequence that encodes a non-mutated Rep protein of a tomato mottle geminivirus.

40. The cell according to claim 39, wherein said cell is selected from the group consisting of bacterial cell, insect cell, plant cell and yeast cell.

41. The cell according to claim 39, wherein said polynucleotide comprises the sequence shown in SEQ ID NO. 1.

42. The cell according to claim 39, wherein said non-mutated Rep protein has the amino acid sequence shown in SEQ ID NO. 2.